Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Improvements and Development of Parks in Ward No - 03 of Yelahanka New town Sub division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRB 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)								
	For Fencing								
	North side	1	16.00	0.80	0.65	8.32			
	East side	1	48.00	0.80	0.65	24.96			
	West side	1	58.00	0.80	0.65	30.16			
	South side	1	32.00	0.80	0.70	17.92			
	Lowering of ground	1	30.00	20.00	0.25	150.00			
	Amba Bhavani Park lowering	1	20.00	13.00	0.20	52.00			
						283.36	**Cum**	**394.42**	**111762.85**
	Basic Rate Rs.=	299.00							
	Add 6% A.W Rs. =	17.94							
	Sub Total =	316.94							
	8Km Lead, Loading and Unloading =(2*1.28*8)÷57	77.48							
	Total Rate Rs. =	394.42							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Fencing								
	North side	1	16.00	0.80	0.15	1.92			
	East side	1	48.00	0.80	0.15	5.76			
	West side	1	58.00	0.80	0.15	6.96			
	South side	1	32.00	0.80	0.15	3.84			
	For Kerb Stones Damaged	1	150.00	0.20	0.10	3.00			
	For Benches	10	1.80	1.50	0.15	4.05			
	For surround bench kerb	10	6.40	0.20	0.10	1.28			
						26.81	**Cum**	**5421.90**	**145361.14**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
	KSRB 5.2-3 : Providing and **constructing granite / trap / basalt size stone masonry** in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.6).								
	For Fencing								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	North side	1	16.00	0.75	0.60	7.20			
	East side	1	48.00	0.75	0.60	21.60			
	West side	1	58.00	0.75	0.60	26.10			
	South side	1	32.00	0.75	0.60	14.40			
	2nd step								
	North side	1	16.00	0.60	0.60	5.76			
	East side	1	48.00	0.60	0.60	17.28			
	West side	1	58.00	0.60	0.60	20.88			
	South side	1	32.00	0.60	0.60	11.52			
						124.74	**Cum**	**4871.76**	**607703.34**
	Basic Rate Rs.=	4596.00							
	Add 6% A.W Rs. =	275.76							
	Total Rate Rs. =	**4871.76**							
4	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	Coping								
	North side	1	16.00	0.60	0.10	0.96			
	East side	1	48.00	0.60	0.10	2.88			
	West side	1	58.00	0.60	0.10	3.48			
	South side	1	32.00	0.60	0.10	1.92			
	mass concrete for fixing equipments	20	0.60	0.75	0.60	5.40			
						14.64	**Cum**	**5747.32**	**84140.76**
	Basic Rate Rs.=	5422.00							
	Add 6% A.W Rs. =	325.32							
	Total Rate Rs. =	**5747.32**							
5	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with **MS. Hot dip Galvanised grill** work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery andincidental charges for the successful completion of the work as per the direction of the Engineer-in-charge of the work. (Data Rate)								
	Fencing								
	North side	1	16.00		1.80	28.80			
	East side	1	48.00		1.80	86.40			
	West side	1	58.00		1.80	104.40			
	South side	1	32.00		1.80	57.60			
						277.20	**Sqm**	**9144.00**	**2534716.80**
	Data Rate	9144.00							

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6	Fabricating, providing and erecting in position **Hot dip galvanised Gate.** Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
	For Gate	1	3.10		2.40	7.44			
		1	1.10		2.40	2.64			
						10.08	**Sqm**	**12475.00**	**125748.00**
	Data Rate	12475.00							
7	KSRRB M300-53. **Construction of embankment** with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (Page 147, Item No 19.60)								
	Levelling of ground	1	30.00	20.00	0.30	180.00			
						180.00	**Cum**	**344.50**	**62010.00**
	Basic Rate Rs.=	325.00							
	Add 6% A.W Rs. =	19.50							
	Total Rate Rs. =	**344.50**							
8	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)								
	For Pathway								
	For Kerb Stones Damaged	1	150.00			150.00			
	For surround bench	10	6.40			64.00			
						214.00			
						476.00	**Nos**	**432.48**	**205860.48**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
9	Painting two coats after filling the surface with **synthetic enamel paint** in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For Pathway								
	For Kerb Stones	2	140.00		0.30	84.00			
	For surround bench	10	6.40		0.30	19.20			
	Children Play area kerb stone	1	38.00		0.30	11.40			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						114.60	**Sqm**	**84.80**	**9718.08**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
10	Providing and laying/fixing cement base, precast, pre polished cement concrete, **designer tiles** 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No-112,I No-								
	For Benches	10	1.80	1.50		27.00			
						27.00	**Sqm**	**1305.92**	**35259.84**
	Basic Rate Rs.=	1232.00							
	Add 6% A.W Rs. =	73.92							
	Total Rate Rs. =	**1305.92**							
11	KSRB 14.6 : Providing and laying heavy duty **cobble stones** interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.No-103,I No-14.6), **60mm thick**								
	For Pathway								
	Damaged area	1	50.00	1.80		90.00			
						90.00	**Sqm**	**1116.18**	**100456.20**
	Basic Rate Rs.=	1053.00							
	Add 6% A.W Rs. =	63.18							
	Total Rate Rs. =	**1116.18**							
12	KSRRB 2.6 **Providing and filling sand** in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 I N-2.13 SR 2018-19)								
	Children Play area	1	15.00	10.00	0.30	45.00			
	CV Raman Play Area	1	15.00	12.00	0.30	54.00			
	Amba Bhavani Park	1	20.00	13.00	0.30	78.00			
						177.00	**Cum**	**2183.60**	**386497.20**
	Basic Rate Rs.=	2060.00							
	Add 6% A.W Rs. =	123.60							
	Total Rate Rs. =	**2183.60**							
13	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Missing slabs surround park	80	0.60	0.90		43.20			
						43.20	**Sqm**	**2337.00**	**100958.40**
	Data Rate	2337.00							
14	**Executive Bench- Made out of Sadarahalli grey stone** with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)								
		10				10.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
						10.00	**Each**	**18200.00**	**182000.00**
	Data Rate	18200.00							
15	**Supplying of dustbin** for collection of dry and wet waste for segregation, (Fiber dustbin Modern Type 3.0-3.75 Ft) inclusive of all taxes and transportation charges as per the direction of Engineer in Charge (Data approved rate)								
		4				4.00			
						4.00	**Each**	**18000.00**	**72000.00**
	Data Rate	18000.00							
16	**Supply & fixing of children multi play equipment with spiral slide, monkey bar with number pannel .** Upright structural posts of height 4.2 m are to be hot dip galvanized steel with a 114 mm OD and 2.2mm wall thickness of tubing . Roof of size 1.9m x 1.7m x 0.77 m , spiral slide of size2.56m x 1.85m x 2.68m. Top rails of monkey bar size 1.8m x 1.3m are all robotic welded & fabricated from 48mm OD galvanized steel pipes for the outer bars &32 mm OD galvanized steel for the inner parallel bars with a baked on powder coated finish. Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mm thickness or vinyl coated to a thickness of 4mm . Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mmthickness or vinyl coated to a thickness of 4mm. Deck, step, platform ,stairs, baffle shall be all robotic welded. Inclined ramps of size 1.92m x 0.65m , stair case of size 1.5m x 0.77m are fabricated from solid 2mm perforated solid punched steel Frisbee climber , piped walls of size 1 m are robotic welded , fabricated from 32 mm OD galvanized steelpipes for outer and 25mm OD galvanized steel pipes for inner bar with baked on powder coat finish.The poles welded on to base plate made from steel with 114mm inner dia double slide of size 2.2 m x 1.5m x 1.45 m panel. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		1				1.00			
						1.00	**Each**	**1915900.0**	**1915900.00**
	Data Rate	1915900.00							
17	**Supply and fixing of childern Play Equipment Fiero A Swing :** Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		1				1.00			
						1.00	**Each**	**126892.0**	**126892.00**
	Data Rate	126892.00							
18	**Supply and fixing of childern Play Equipment Two seater seesaw :** The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		1				1.00			
						1.00	**Each**	**83478.0**	**83478.00**
	Data Rate	83478.00							
								Total Construction Cost	**6890463.10**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								12% GST Charges	541223.17
								PMC Charges	68,000.00
								Sub Total	7499686.27
								Utility Shifting, Miscellaneous, Rounding off	313.73
								GRAND TOTAL	7500000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle 2018-19

Assistant Engineer
Ward No-3
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Administrative Sanction for Rs. 75.00 lakhs
seventy five lakhs only
is accorded under Head P-3292
2019-20 14th finance commission
works
Registered as CE No
to conditions
No EE/YNK/AS/76/2019-20 25/01/2020

Technical Sanction
Accorded For Rs 75.00 lakhs only
Head of A/C P.3292
CER NO : 275 **Dt:** 28.01.2020

TA CE (YNK)

Name of Work: Improvements and Development of Parks in Ward No - 03 of Yelahanka New town Sub division